

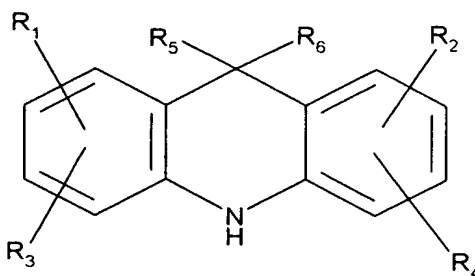
## KETONE DIARYLAMINE CONDENSATES

## ABSTRACT OF THE DISCLOSURE

Disclosed herein is a composition comprising:

A) a lubricant; and

5 B) a mixture of antioxidants, wherein said mixture is prepared by the partial condensation of an alkylated diphenylamine with an aldehyde or ketone in the presence of an acidic catalyst to yield at least one acridan of the general formula:



wherein:

15  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  are independently selected from the group consisting of hydrogen,  $C_3$  to  $C_{32}$  alkyl, and  $C_3$  to  $C_{32}$  alkenyl, provided that at least one of  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  is not hydrogen, and  $R_5$  and  $R_6$  are independently selected from the group consisting of  $C_1$  to  $C_{20}$  hydrocarbyl and hydrogen;

wherein, at the termination of said condensation, residual alkylated diphenylamine is not separated from the acridan product.